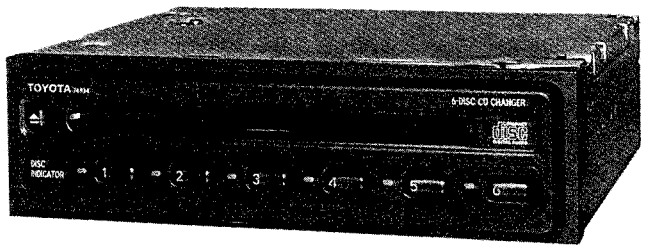
TOYOTA

AUDIO COMPONENT SERVICE MANUAL

6-Disc CD Changer

VEHICLE	DESTINATION	PRODUCED AFTER	TOYOTA PART NO.	ID CODE	MATSUSHITA MODEL NO.
UNIVERSAL	Taiwan	Feb., 1999	08601-00902	74834	CX-CS0830F
UNIVERSAL	Europe	Feb., 1999	08601-00892	74835	CX-CS0820F



[CX-CS0830F]

Specifications*

General

Power Supply	: 12V DC (11V - 16V), Test Voltage 13.2V Negative Ground
Current Consumption	: Less than 1.5A
Output Voltage	: 2.0V (47kΩ//1000pF)
Signal to Noise Ratio	: More than 85dB (IHF-A)
Channel Separation	: More than 55dB (IHF-A)
Total Harmonic Distortion	: 0.05% (30kHz/LPF, 400Hz/HPF)
Dimensions**	: 178(W)×165(H)×50(D)mm
Weight**	: 1.6kg

* Specifications subject to change without notice.
** Dimensions and Weight showm are approximate.

Manufactured for TOYOTA
by Matsushita Communication Industrial Co., Ltd.

PUB. NO. 80562
(Recycle Paper)

CX-CS0830F/CS082OF

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FEATURES

- 6 disc slots.
- Hologram optical pick-up.
- Shock proof memory.
- Hi-speed disc change.

LASER PRODUCTS

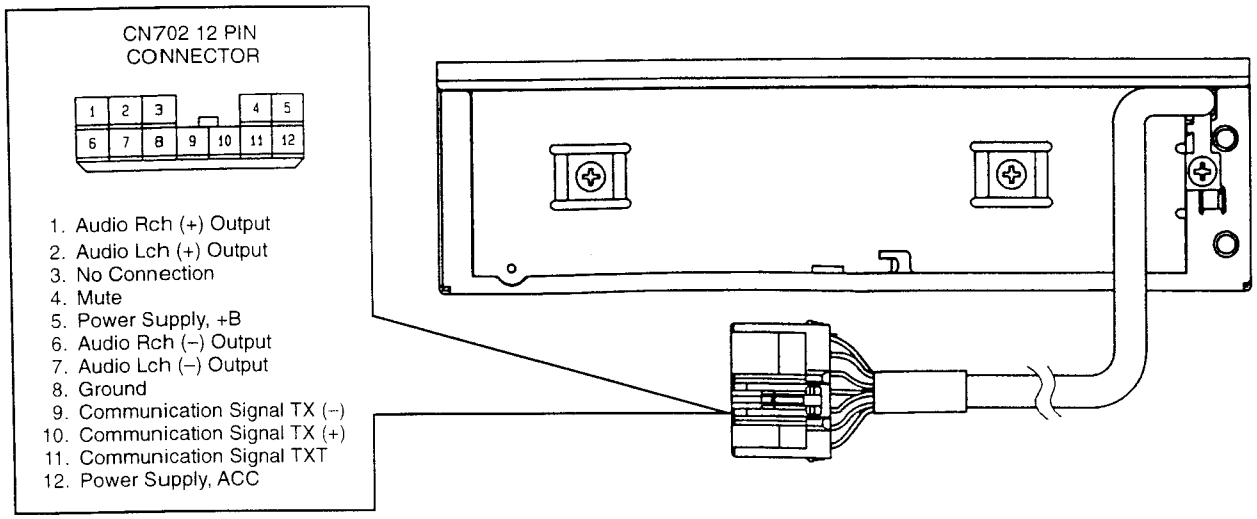
Caution
This product utillzes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser products:

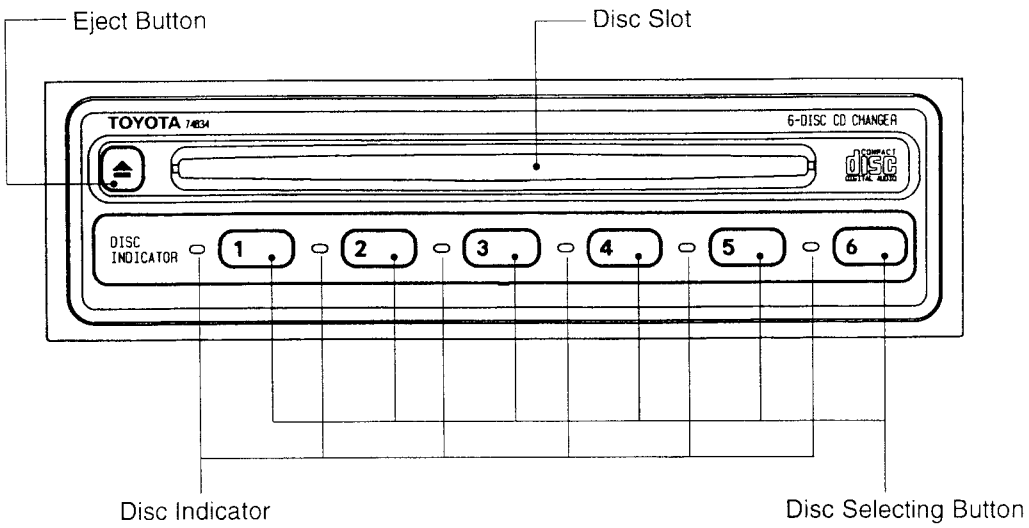
Wave Length	780nm
Laser power	No hazardous radiation is emitted with safety protection.

Do not take apart this unit or attempt to make any changes yourself.
This unit is very intricate that uses a laser pickup to retrieve information from the surface of compact discs.
The laser is carefully shielded so that its rays remain inside the cabinet.
Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

REAR VIEW AND CONNECTOR

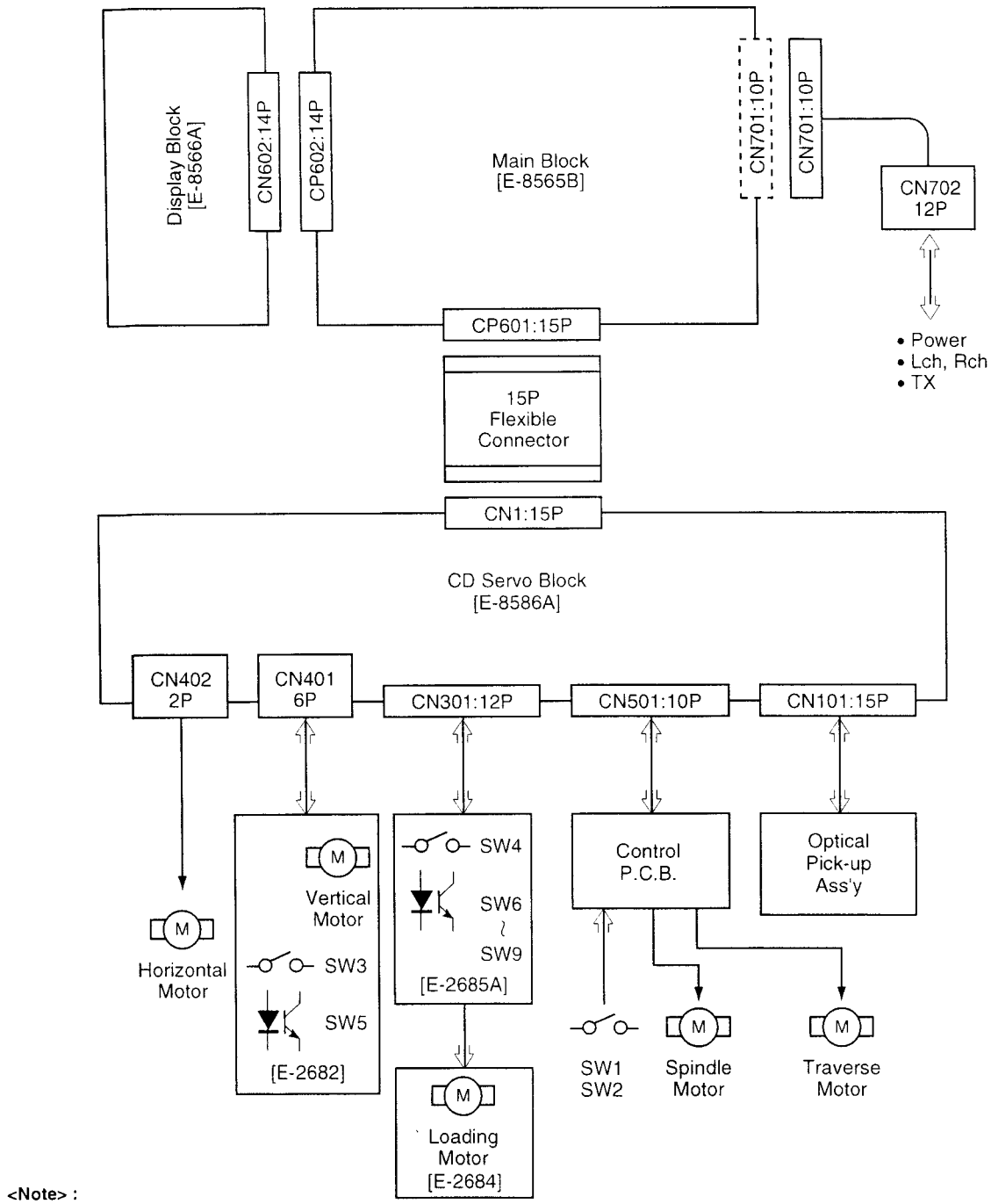

CN702 12 PIN
CONNECTOR
1 2 3 4 5
6 7 8 9 10 11 12
1. Audio Rch (+) Output
2. Audio Lch (+) Output
3. No Connection
4. Mute
5. Power Supply, +B
6. Audio Rch (–) Output
7. Audio Lch (–) Output
8. Ground
9. Communication Signal TX (–)
10. Communication Signal TX (+)
11. Communication Signal TXT
12. Power Supply, ACC

NAME AND FUNCTION OF EACH PARTS



- To place a CD disc : Depress the desired "disc selecting button" and insert a CD disc to the disc slot.
  The CD disc is placed to the position of selected disc number.
- To play a CD disc : Depress the disc selecting button (1~6), and play will starts.
- To eject a CD disc : Depress the eject button less than 1.7 seconds after selecting the CD disc (1~6).
- To eject all the CD disc : Depress the eject button more than 1.7 seconds.

WIRING CONNECTION



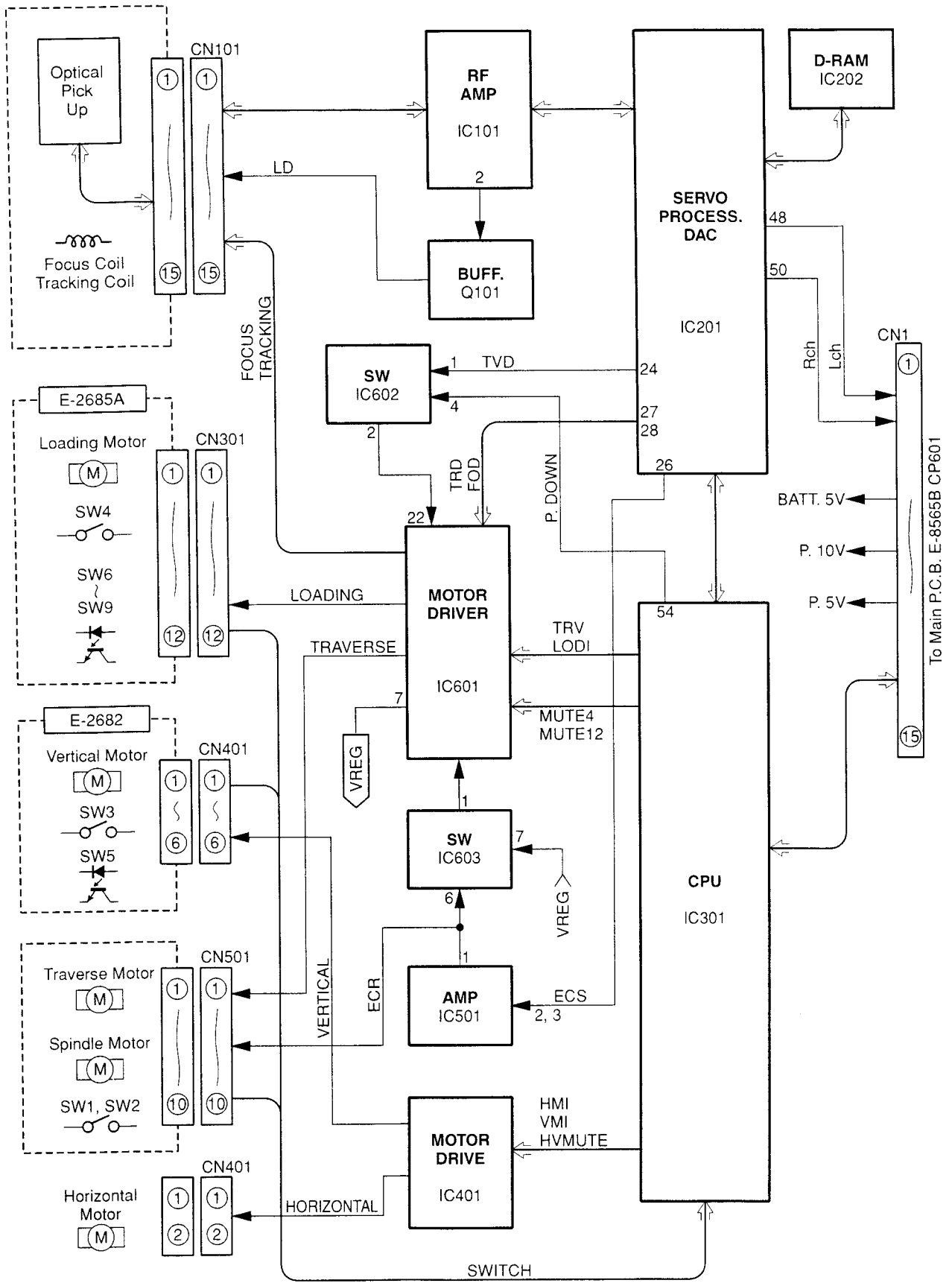
<Note> :

□ .....This mark shows a Ref. No. of connector

[ ] .....This mark shows a mounting position of connector.

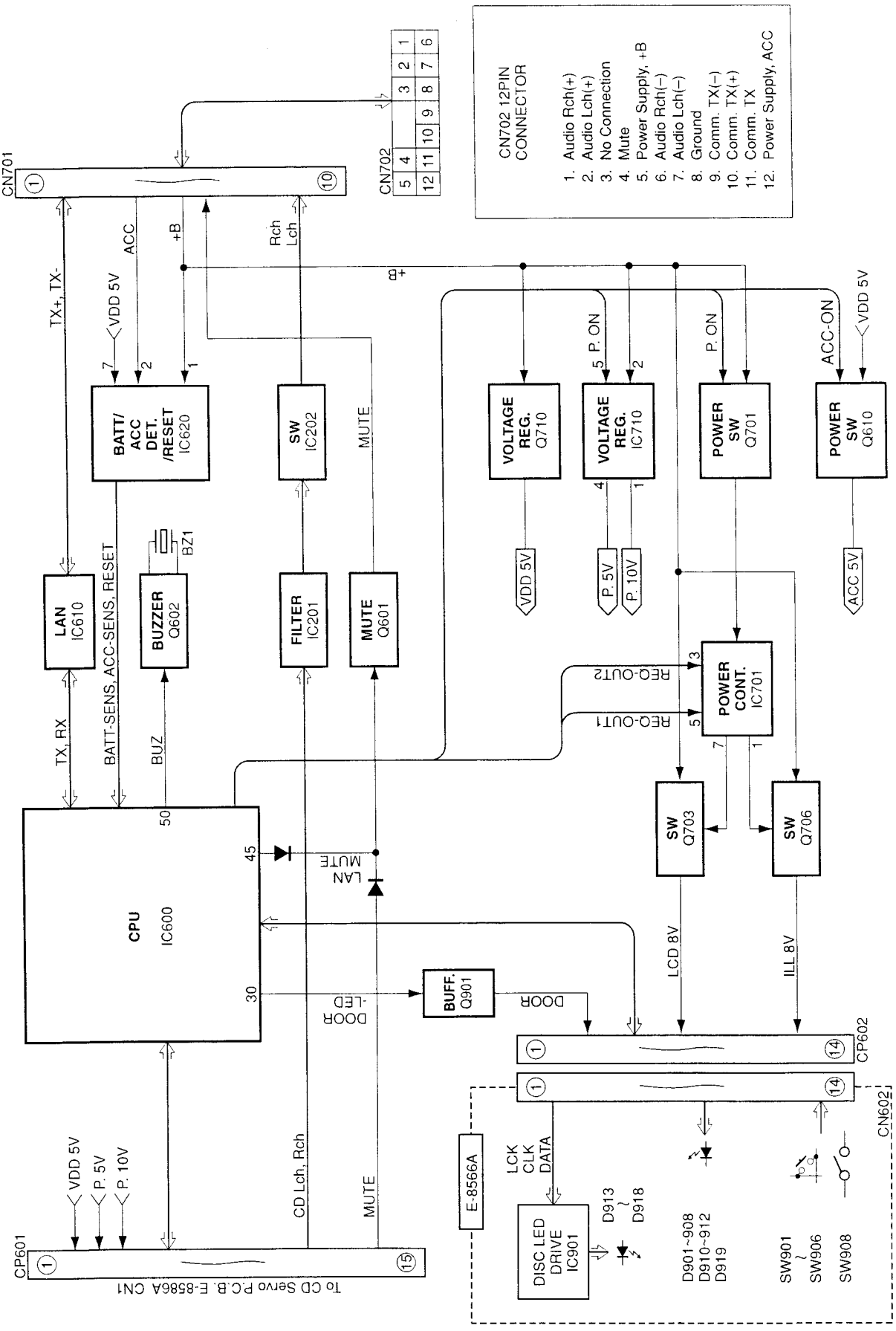
BLOCK DIAGRAM (CD Servo Block)

TOYOTA PART No. 08601-00902/08601-00892
MODEL CX-CS0830F/CX-CS0820F



BLOCK DIAGRAM (Main, Display Block)

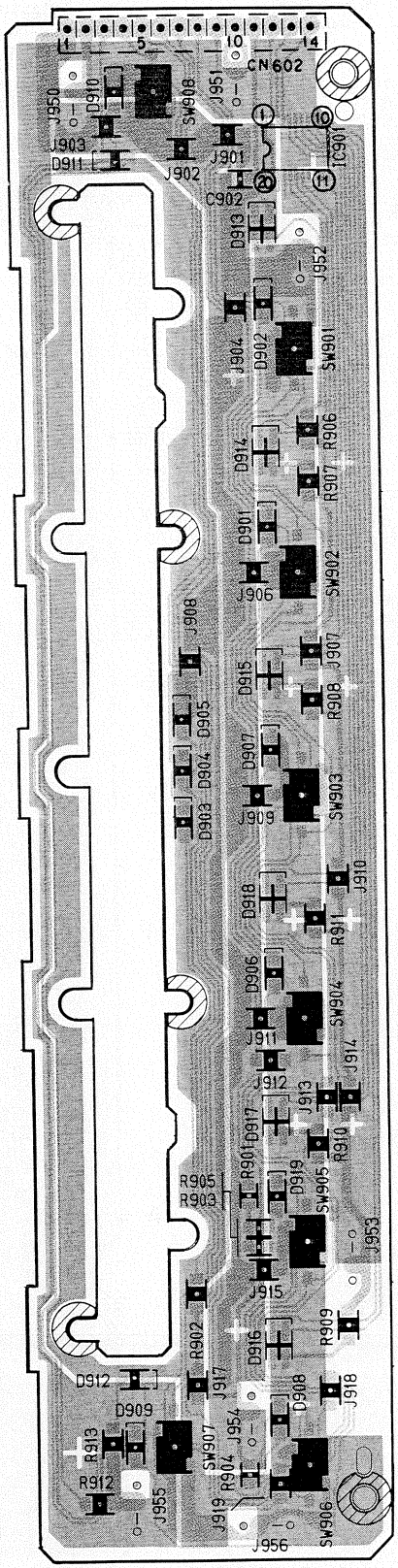
TOYOTA PART No. 08601-00902/08601-00892
MODEL CX-CS0830F/CX-CS0820F



WIRING DIAGRAM (Display Block)

TOYOTA PART No. 08601-00902/08601-00892
MODEL CX-CS0830F/CX-CS0820F

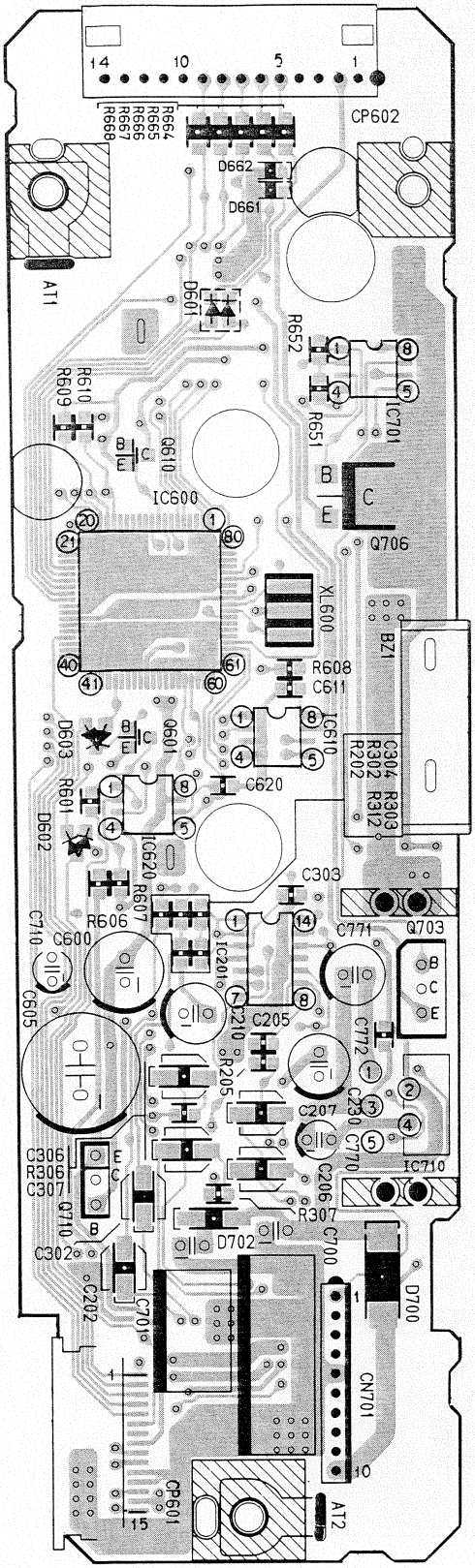
[E-8566A]



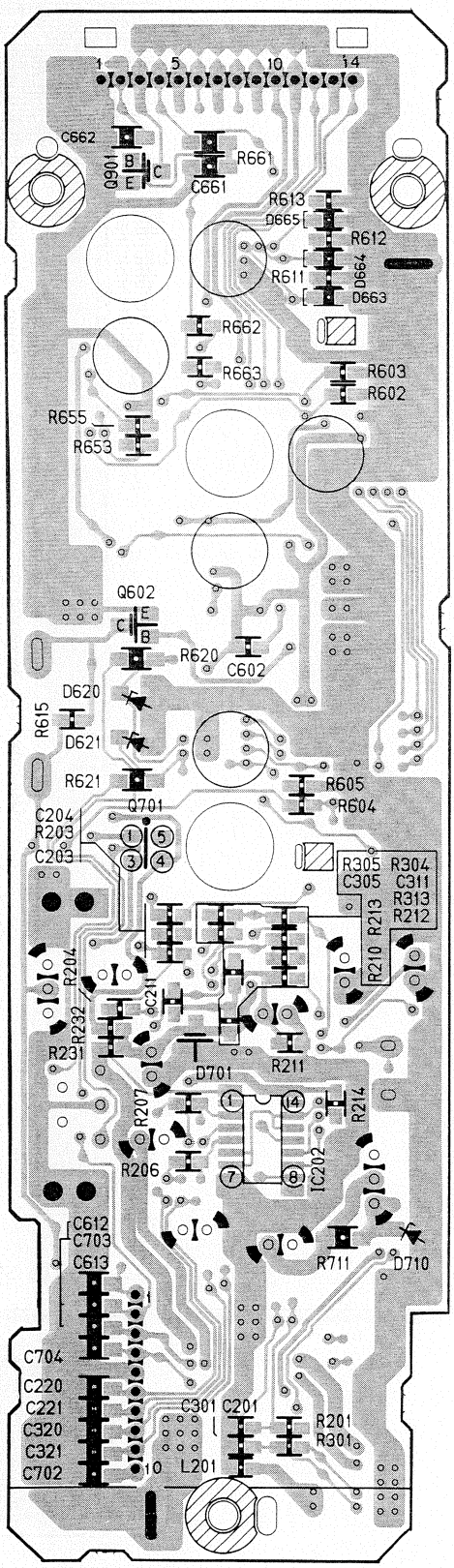
WIRING DIAGRAM (Main Block)

TOYOTA PART No. 08601-00902/08601-00892
MODEL CX-CS0830F/CX-CS0820F

[E-8565B] <TOP VIEW>

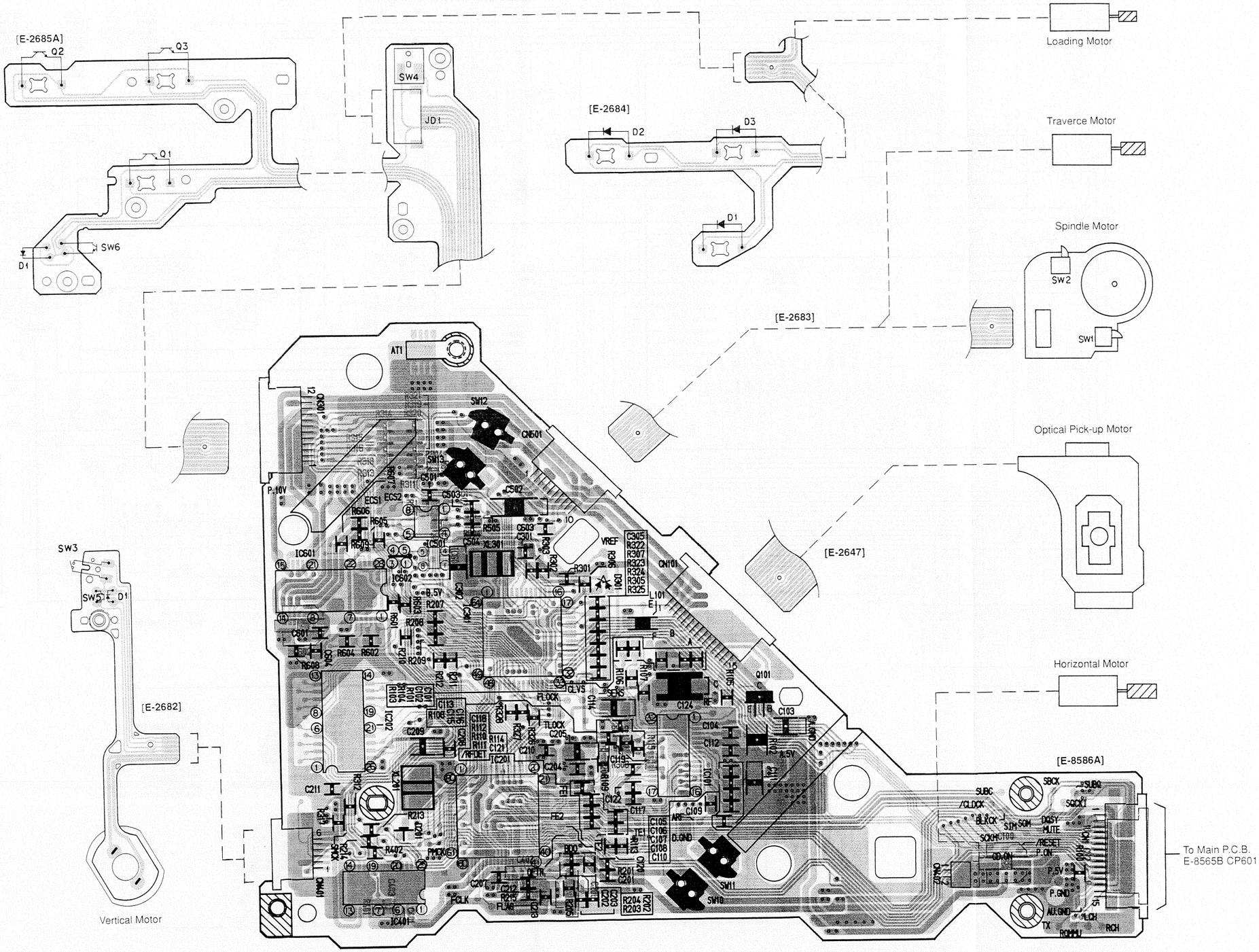


<BOTTOM VIEW>



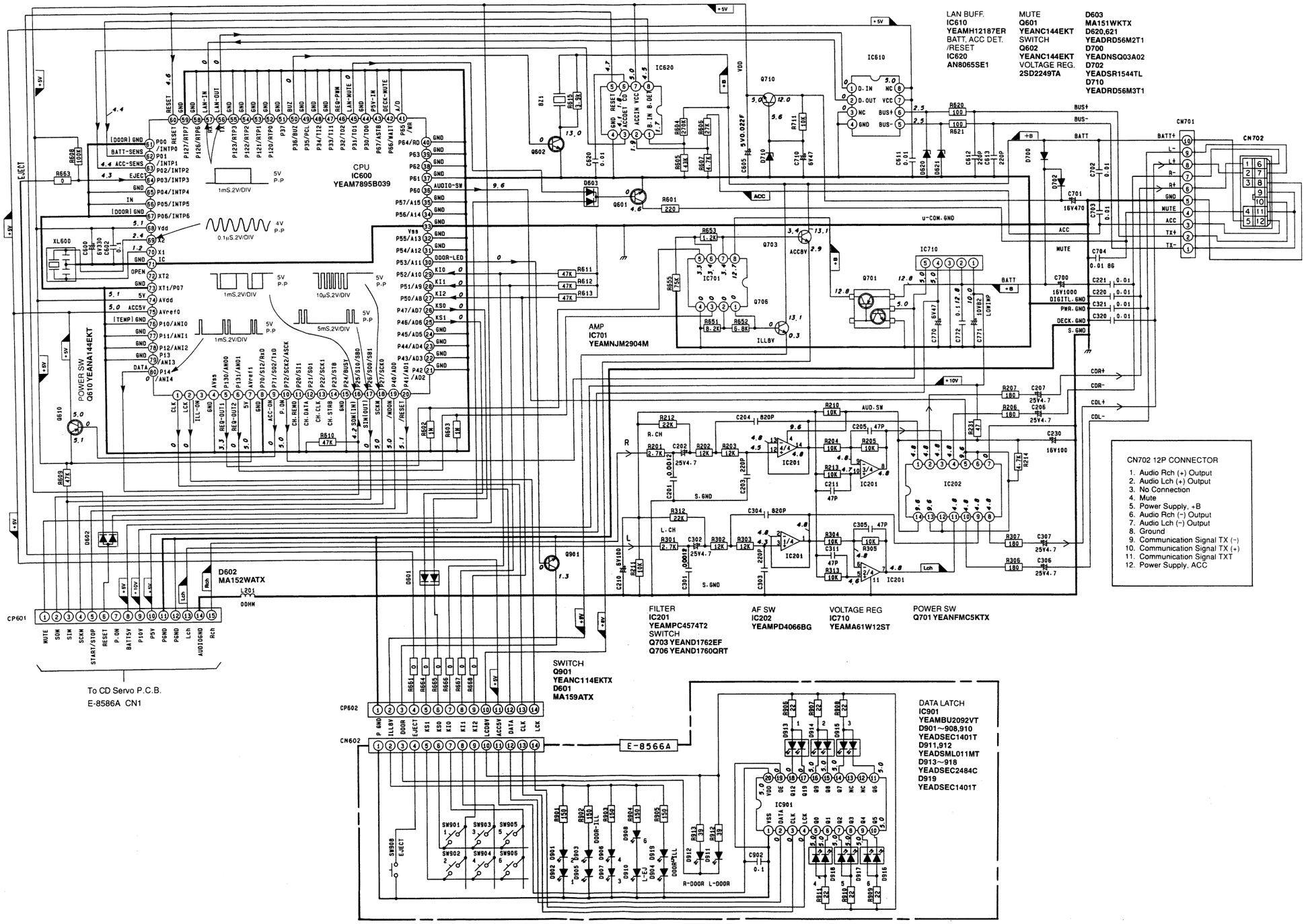
WIRING DIAGRAM (CD Servo Block)

TOYOTA PART No. 08601-00902/08601-00892
MODEL CX-CS0830F/CX-CS0820F



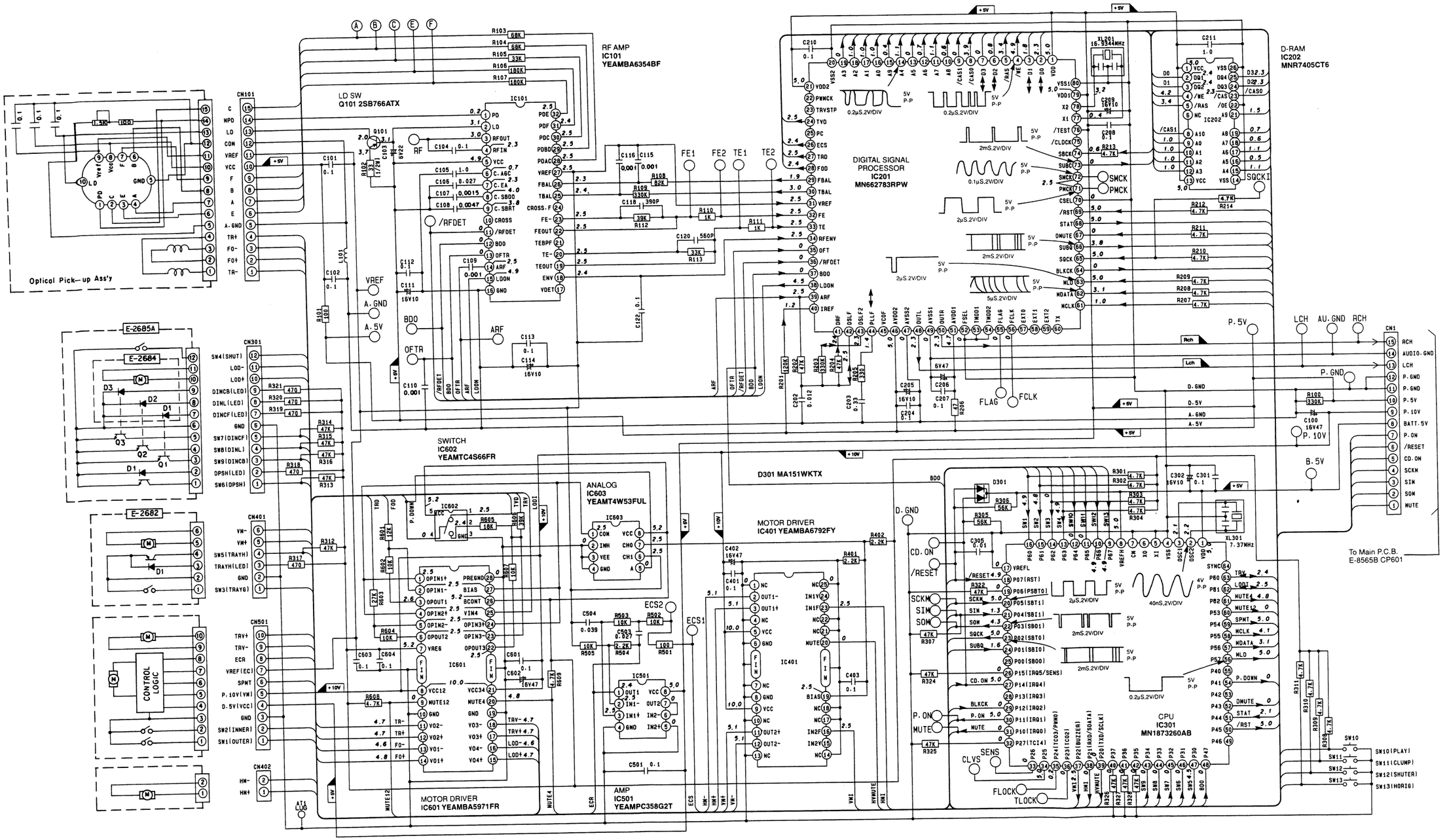
SCHEMATIC DIAGRAM (Main, Display Block)

TOYOTA PART No. 08601-00902/08601-00892
MODEL CX-CS0830F/CX-CS0820F



SCHEMATIC DIAGRAM (CD Servo Block)

TOYOTA PART No. 08601-00902/08601-00892
MODEL CX-CS0830F/CX-CS0820F



CX-CS0830F/CS0820F

CD DISC CENTERING ALIGNMENT

● This adjustment is for assuring that compact discs will be placed in the center of the turntable.

< Adjustment Conndition / Jig >

- Power Supply Voltage : 13.2V
- Test Disc : TCD-784M

< Adjustment Procedures >

1. Attach the adjusting screw to the upper chassis (See Figure 1.).
2. Insert the test CD (TCD-784M) into the disc No. 1 position and play it.
3. After checking whether the disc is centered on the turntable, turn the adjusting screw until it is in the center.

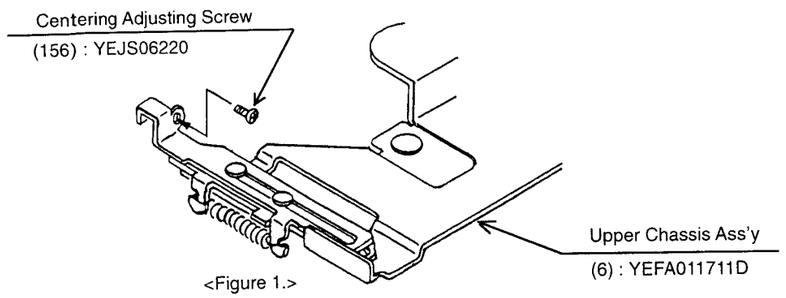
< Check Items >

- Check that the disc is correctly centered.
- Check that the disc is securely clamped.
- Check that no abnormal noise is produced when clamping the disc.

[Directions of Turning the Adjusting Screw]

- CD stops before its proper position : Turn the screw counterclockwise.
- CD overruns : Turn the screw clockwise.

4. After the adjustment, lock the screw.



<Figure 1.>

TERMINALS DESCRIPTION

<Main Block>

■ IC600 YEAM7895B039

Pin No.	Port	Description	I/O	Vol.(V)
1	CLK	Shift clock for LED data	O	0
2	LCK	Data Loading clock	O	0
3	/ILL ON	Not used	—	—
4	AV_{SS}	Ground	—	0
5	REQ-OUT1	LCD power control	O	3.3
6	REQ-OUT2	ILL power control	O	0
7	AV_{REF}	+5V power supply	—	5.0
8	—	(Connecting to ground)	—	0
9	ACC-ON	ACC power control	O	0
10	P.ON	System power control	O	5.0
11	CH.REMO	(Connecting to ground)	—	0
12~14	—	No connecting	—	—
15	—	(Connecting to ground)	—	0
16	SOM	CD changer serial data	I	4.2
17	SIM	CD changer serial data	O	0
18	SCKM	Clock for serial data	O	5.0
19	/MDON	Clock changer start/stop	O	5.0
20	/RESET	CD changer reset	O	5.1
21~24	—	(Connecting to ground)	—	0
25	KS1	Key strobe	O	0
26	KS0	Key strobe	O	0
27	KI2	Key data	I	0
28	KI1	Key data	I	0
29	KI0	Key data	I	0
30	DOOR-LED	Door LED on/off	O	0
31,32	—	(Connecting to ground)	—	0
33	V_{SS}	Ground	—	0

Pin No.	Port	Description	I/O	Vol.(V)
34,35	—	(Connecting to ground)	—	0
36	AUDIO-SW	Audio signal select	O	9.6
37~44	—	(Connecting to ground)	—	0
45	LAN-MUTE	LAN mute	O	0
46~49	—	(Connecting to ground)	—	0
50	BUZ	Beep output	O	0
51~55	—	(Connecting to ground)	—	0
56	LAN-OUT	LAN data output	O	0
57	LAN-IN	LAN data input	I	0
58,59	—	(Connecting to ground)	—	0
60	RESET	Reset input	I	4.6
61	—	(Connecting to ground)	—	0
62	BATT SENS	Battery level detection	I	4.4
63	ACC SENS	ACC level detection	I	4.4
64	EJECT	Eject SW input	I	4.3
65~67	—	(Connecting to ground)	—	0
68	VDD	+5V power supply	—	5.1
69	X2	Crystal oscillator	—	2.4
70	X1	Crystal oscillator	—	1.2
71	IC	(Connecting to ground)	—	0
72	XT2	Not used	—	—
73	—	(Connecting to ground)	—	0
74	AVDD	+5V power supply	—	5.1
75	AV_{REF}	+5V power supply	—	5.0
76~79	—	(Connecting to ground)	—	0
80	DATA	Data for panel LED	O	0

TERMINALS DESCRIPTION

<CD Servo Block>

■ IC201 MN662783RPW

Pin No.	Port	Description	I/O	Vol.(V)
1	VDD	+5V power supply	—	5.0
2	D0	D-RAM data	I/O	2.3
3	D1	D-RAM data	I/O	1.8
4	/WE	D-RAM data write	O	4.9
5	/RAS	D-RAM row address strobe	O	3.4
6	D2	D-RAM data	I/O	0.8
7	D3	D-RAM data	I/O	0
8	/CAS0	D-RAM columun address strobe	O	3.9
9	/CAS1	D-RAM columun address strobe	O	0
10	A8	D-RAM address	O	0.6
11	A7	D-RAM address	O	1.1
12	A6	D-RAM address	O	0.7
13	A5	D-RAM address	O	0
14	A4	D-RAM address	O	1.1
15	A9	D-RAM address	O	0.4
16	A0	D-RAM address	O	1.0
17	A1	D-RAM address	O	1.0
18	A2	D-RAM address	O	1.0
19	A3	D-RAM address	O	0
20	$V_{SS}2$	Ground	—	0
21	VDD2	+5V power supply	—	5.0
22,23	—	Not used	—	—
24	TVD	Traverse motor control	O	2.5
25	PC	Not used	—	—
26	ECS	Spindle motor control	O	2.4
27	TRD	Tracking coil drive	O	2.5
28	FOD	Focus coil drive	O	2.4
29	FBAL	Focus balance	O	1.9
30	TBAL	Tracking balance	O	3.0
31	V_{REF}	Refence voltage	I	2.5
32	FE	Focus error	I	2.5
33	TE	Tracking error	I	2.5
34	RFENV	RF envelope	I	2.5
35	OFT	Off track signal	I	0
36	/RFDET	RF detecting signal	I	0
37	BDO	Drop-out signal	I	0
38	LDON	Laser on signal	O	4.5
39	ARF	RF signal	I	2.5

Pin No.	Port	Description	I/O	Vol.(V)
40	IREF	Reference current input	I	1.2
41	DRF	Bias for DSL	I	2.4
42	DSLF	Loop filter for DSL	I/O	2.5
43	DSLF2	Loop filter for DSL	I/O	2.2
44	PLLF	Loop filter for PLL	I/O	1.4
45	VCOF	Not used	—	—
46	AVDD2	+5V power supply	—	5.0
47	AVSS2	Ground	—	0
48	OUTL	L channel output	O	2.3
49	AVSS1	Ground	—	0
50	OUTR	R channel output	O	2.3
51	AVDD1	+5V power supply	—	4.7
52~54	—	(Connecting to ground)	—	0
55	FLAG	Flag output	O	0
56	FCLK	Frame clock	O	0
57~59	—	Not used	—	—
60	TX	Not used	—	—
61	MCLK	Clock for I/F command	I	1.0
62	MDATA	Date for I/F command	I	3.1
63	MLD	I/F command load	I	5.0
64	BLKCK	Subcode block clock	O	0
65	SQCK	Ext.clock for sub code-Q	I	5.0
66	SUBQ	Code for sub. code-Q	O	3.8
67	DMUTE	Mute input	I	0
68	STAT	Status signal	O	5.0
69	/RST	Reset input	I	5.0
70	CSEL	(Connecting to ground)	—	0
71	PMCK	Clock output	O	2.5
72	SMCK	Clock output	O	2.5
73	SUBC	Serial data of sub code	O	0
74	SBCK	Shift clock for SUBC	I	0.6
75	/CLDCK	Not used	—	—
76	/TEST	(Connecting to VDD)	—	5.0
77	X1	Crystal oscillator	—	0.4
78	X2	Crystal oscillator	—	3.2
79	VDD1	+5V power supply	—	5.0
80	VSS1	Ground	—	0

■ IC301 MN1873260AB

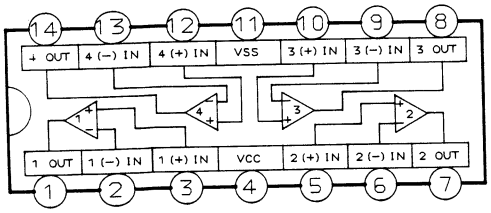
Pin No.	Port	Description	I/O	Vol.(V)
1	VDD	+5V power supply	—	5.0
2	OSC2	Crystal oscillator	—	2.2
3	OSC1	Crystal oscillator	—	2.1
4	VSS	Ground	—	0
5	XI	(Connecting to ground)	—	0
6	XO	Not used	—	—
7	CM	(Connecting to ground)	—	0
8	VREFH	Reference voltage	I	5.0
9	SW13	Shuter SW	I	4.9
10	SW12	Horizontal origin	I	4.9
11	SW11	Clump SW	I	0
12	SW10	Play SW	I	0
13	SW4	Shuter SW	I	4.9
14	SW3	Tray origin SW	I	0
15	SW2	Inner SW	I	4.8
16	SW1	Outer SW	I	4.9
17	VREFL	Reference voltage	I	0
18	/RESET	Reset input	I	4.9
19	—	(Ground pull-down)	—	0
20	SCKM	Clock for serial data	I	5.0
21	SIM	CD changer serial data	I	1.3
22	SOM	CD changer serial data	O	4.3
23	SQCK	Ext. clock for sub code-Q	O	5.0
24	SUBQ	Code for sub code-Q	I	1.6
25	—	Not used	—	5.0
26	—	(Ground pull-down)	—	0
27	CD.ON	CD changer start/stop	I	5.0
28	—	Not used	—	5.0
29	BLKCK	Sub code block clock	I	0
30	P.ON	Not used	—	5.0
31	MUTE	Mute output	O	5.0

Pin No.	Port	Description	I/O	Vol.(V)
32	—	(Ground pull-down)	—	0
33	SENS	Servo status	O	0
34	CLVS	Servo status	O	5.0
35	FLOCK	Focus servo lock	O	0.2
36	TLOCK	Tracking servo lock	O	0
37	VMI	Horizontal motor control	O	2.5
38	HMI	Vertical motor control	O	0
39	HVMUTE	H/V motor mute	O	0
40~42	—	(Ground pull-down)	—	0
43	SW9	Disc-in (B) SW	I	0
44	SW8	Disc-in (L) SW	I	0
45	SW7	Disc-in (F) SW	I	0
46	SW6	Disc push SW	I	0
47	SW5	Tray hight SW	I	4.5
48	BDO	Drop-out signal	I	0
49	DQSY	Not used	—	—
50	/RST	Reset output	O	5.0
51	STAT	Status signal	I	2.1
52	DMUTE	Mute output	O	0
53	XE	Not used	—	—
54	P.DOWN	Power down signal	O	0
55	—	No connection	—	—
56	MLD	I/F command load	O	5.0
57	MDATA	Data for I/F command	O	3.1
58	MCLK	Clock for I/F command	O	4.1
59	SPMT	Spindle mute	O	5.0
60	MUTE12	Focus/Tracking mute	O	0
61	MUTE4	Loading motor mute	O	4.8
62	LDOI	Loading motor control	I/O	2.5
63	TRV	Forced traverse control	I/O	2.4
64	SYNC	Not used	—	—

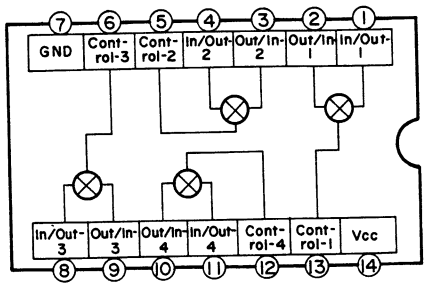
IC BLOCK DIAGRAM

<Main Block>

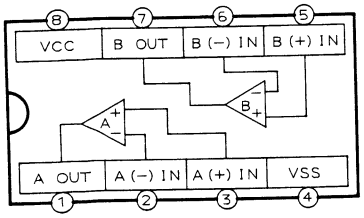
● IC201 YEAMPC4574T2



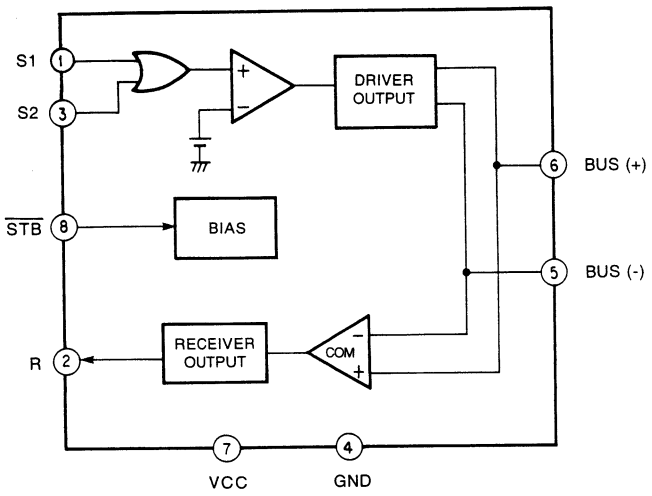
● IC202 YEAMPD4066BG



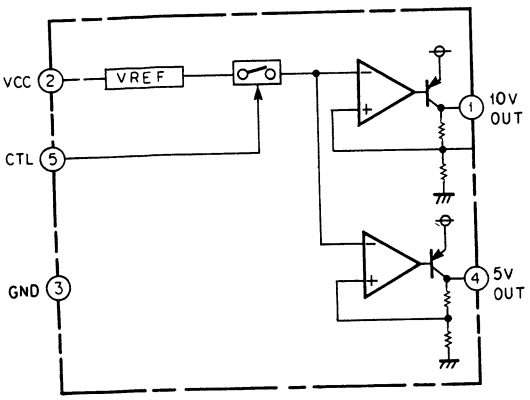
● IC701 YEAMNJM2904M



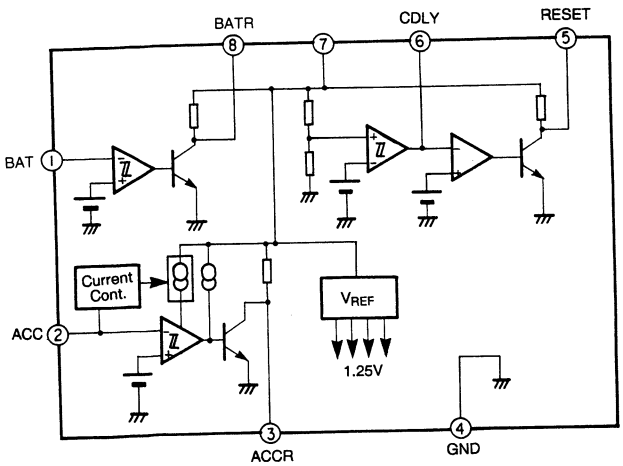
● IC610 YEAMH12187ER



● IC710 YEAMA61W12ST

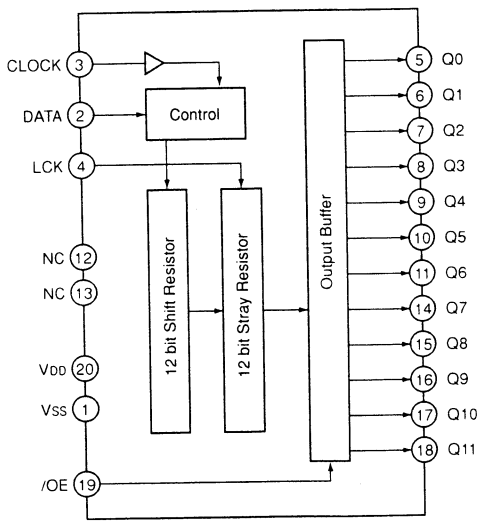


● IC620 AN8065SE1



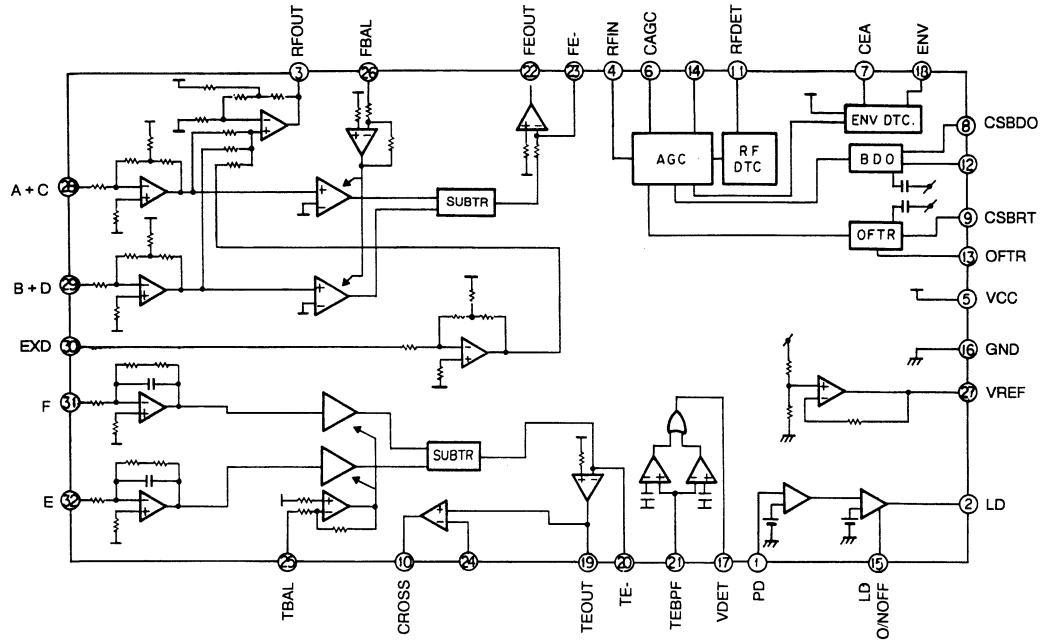
<Display Block>

● IC901 YEAMBU2092VT

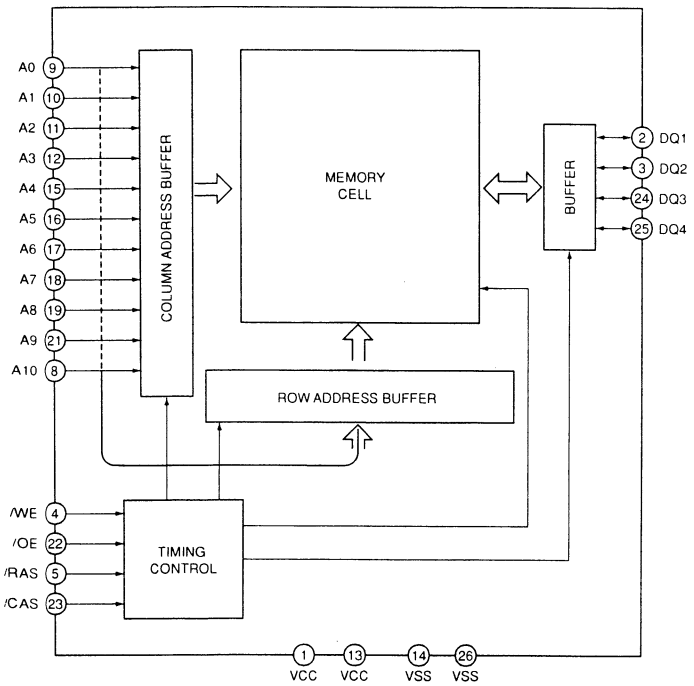


<CD Servo Block>

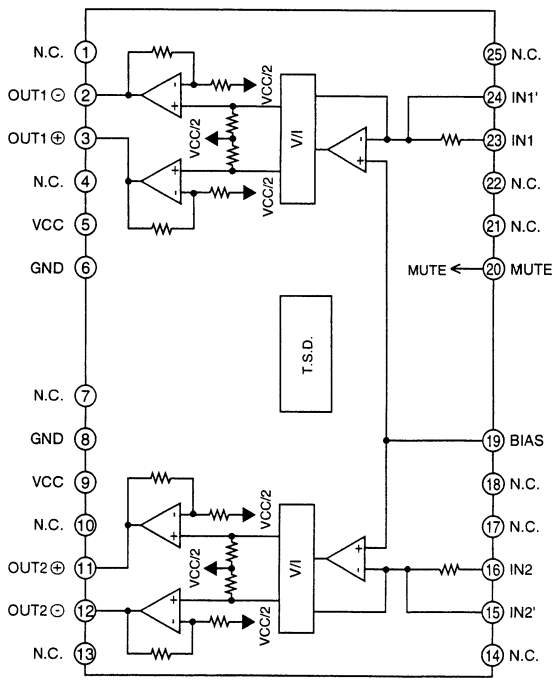
● IC101 YEAMBA6354BF



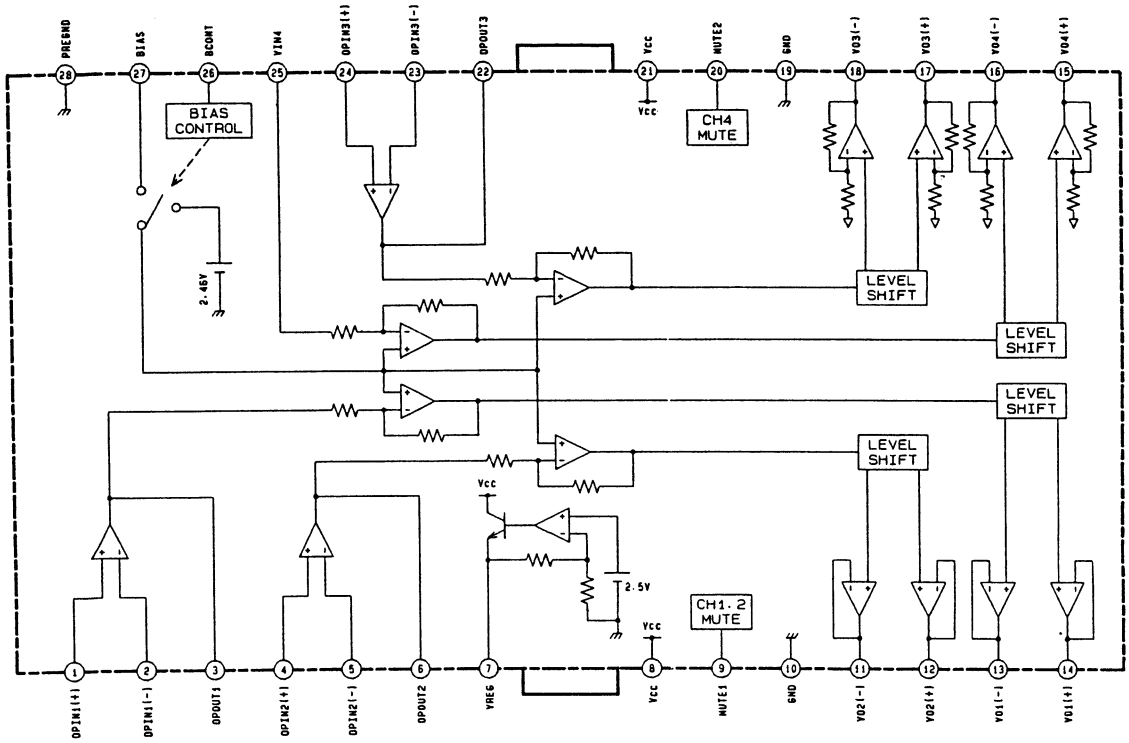
● IC202 MNR7405CT6



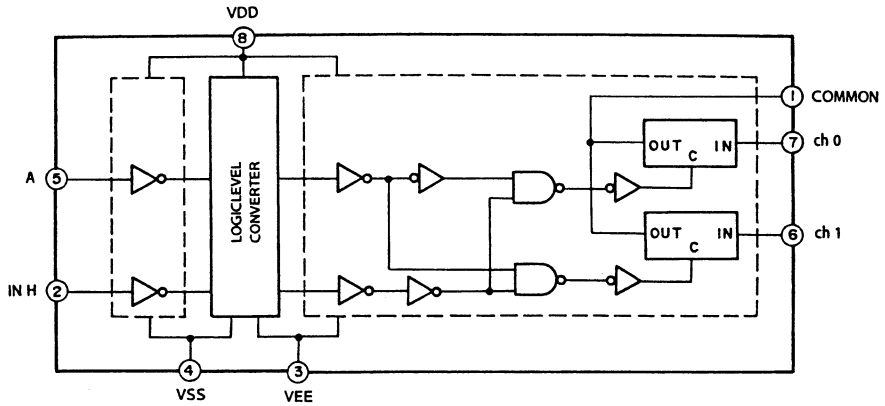
● IC401 YEAMBA6792FY



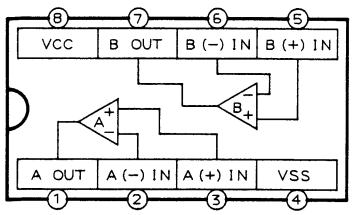
● IC601 YEAMBA5971FP



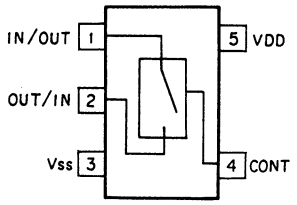
● IC603 YEAMT4W53FUL



● IC501 YEAMPC358G2T



● IC602 YEAMTC4S66FR



1 Replacement Parts List

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
5. "MCC" marks in remarks column are indicated supply parts of Matsushita Communication Industrial Corp. of America (MCC).

1.1. IC's and Transistors

MAIN BLOCK [E8565B]

Ref. No.	Part No.	Part Name & Description	Remarks
IC201	YEAMPC4574T2	IC	
IC202	YEAMPD4066BG	IC	
IC600	YEAM7895B039	IC	
IC610	YEAMH12187ER	IC	
IC620	AN8065SE1	IC	
IC701	YEAMNJM2904M	IC	
IC710	YEAMA61W12ST	IC	
Q601	YEANC144EKT	Transistor	
Q602	YEANC144EKT	Transistor	
Q610	YEANA144EKT	Transistor	
Q701	YEANFMC5KTX	Transistor	
Q703	YEAND1762EF	Transistor	
Q706	YEAND1760QRT	Transistor	
Q710	2SD2249TA	Transistor	
Q901	YEANC114EKTX	Transistor	

DISPLAY BLOCK [E8566A]

Ref. No.	Part No.	Part Name & Description	Remarks
IC901	YEAMBU2092VT	IC	

1.2. Diodes

MAIN BLOCK [E8565B]

Ref. No.	Part No.	Part Name & Description	Remarks
D601	MA159ATX	Diode	
D602	MA152WATX	Diode	
D603	MA151WKTX	Diode	
D620	YEADRD56M2T1	Diode	
D621	YEADRD56M2T1	Diode	
D700	YEADNSQ03A02	Diode	
D702	YEADSR1544TL	Diode	
D710	YEADRD56M3T1	Diode	

DISPLAY BLOCK [E8566A]

Ref. No.	Part No.	Part Name & Description	Remarks
D901	YEADSEC1401T	Diode	
D902	YEADSEC1401T	Diode	
D903	YEADSEC1401T	Diode	
D904	YEADSEC1401T	Diode	
D905	YEADSEC1401T	Diode	
D906	YEADSEC1401T	Diode	
D907	YEADSEC1401T	Diode	
D908	YEADSEC1401T	Diode	
D910	YEADSEC1401T	Diode	
D911	YEADSML011MT	Diode	
D912	YEADSML011MT	Diode	
D913	YEADSEC2484C	Diode	
D914	YEADSEC2484C	Diode	
D915	YEADSEC2484C	Diode	
D916	YEADSEC2484C	Diode	
D917	YEADSEC2484C	Diode	
D918	YEADSEC2484C	Diode	
D919	YEADSEC1401T	Diode	

1.3. Capacitors

MAIN BLOCK [E8565B]

Ref. No.	Part No.	Part Name & Description	Remarks
C201	YECUS1H122KX	Ceramic, 0.0012µF 50WV	
C202	ECEV1EA4R7SR	Electrolytic, 4.7WVFD 25WV	
C203	YECUS1H221JM	Ceramic, 220PF 50WV	
C204	YECUS1H821JM	Ceramic, 820PF 50WV	
C205	YECUS1H470JM	Ceramic, 47PF 50WV	
C206	ECEV1EA4R7SR	Electrolytic, 4.7WVFD 25WV	
C207	ECEV1EA4R7SR	Electrolytic, 4.7WVFD 25WV	
C210	ECEA0JKS101	Electrolytic, 100µF 6.3WV	
C211	YECUS1H470JM	Ceramic, 47PF 50WV	
C220	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C221	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C230	ECEA1CKA101	Electrolytic, 100µF 16WV	
C301	YECUS1H122KX	Ceramic, 0.0012µF 50WV	
C302	ECEV1EA4R7SR	Electrolytic, 4.7WVFD 25WV	
C303	YECUS1H221JM	Ceramic, 220PF 50WV	
C304	YECUS1H821JM	Ceramic, 820PF 50WV	
C305	YECUS1H470JM	Ceramic, 47PF 50WV	
C306	ECEV1EA4R7SR	Electrolytic, 4.7WVFD 25WV	
C307	ECEV1EA4R7SR	Electrolytic, 4.7WVFD 25WV	
C311	YECUS1H470JM	Ceramic, 47PF 50WV	
C320	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C321	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C600	ECEA0JKA331I	Electrolytic, 330µF 6.3WV	
C602	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C605	YEECFYH0H223	Electrolytic, 0.022FD 5WV	
C611	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C612	YECUV1H221JM	Ceramic, 220PF 50WV	
C613	YECUV1H221JM	Ceramic, 220PF 50WV	
C620	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C700	ECA1CM102L	Electrolytic, 1000µF 16WV	
C701	ECA1CM471	Electrolytic, 470µF 16WV	
C702	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C703	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C704	YECUV2A103KX	Ceramic, 0.01µF 100WV	
C710	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C770	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C771	EEAFC1A820H	Electrolytic, 82µF 10WV	
C772	YECUS1C104KX	Ceramic, 0.1µF 16WV	

DISPLAY BLOCK [E8566A]

Ref. No.	Part No.	Part Name & Description	Remarks
C902	YECUS1C104KX	Ceramic, 0.1µF 16WV	

1.4. Resistors

MAIN BLOCK [E8565B]

Ref. No.	Part No.	Part Name & Description	Remarks
L201	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R201	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R202	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R203	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R204	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R205	ERJ6GEYJ103	Chip, 10kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R206	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R207	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R210	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R211	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R212	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R213	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R214	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R231	ERJ6GEYJ470	Chip, 47Ω 1/10W	
R301	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R302	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R303	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R304	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R305	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R306	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R307	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R312	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R313	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R601	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R602	ERJ6GEYJ105	Chip, 1MΩ 1/10W	
R603	ERJ6GEYJ105	Chip, 1MΩ 1/10W	
R604	YER122R2703D	Metal Film, 270kΩ 1/10W	
R605	YER122P4302D	Metal Film, 43kΩ 1/10W	
R606	YER122P2702D	Metal Film, 27kΩ 1/10W	
R607	YER122P4701D	Metal Film, 4.7kΩ 1/10W	
R608	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R609	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R610	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R611	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R612	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R613	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R615	ERJ6GEYJ392	Chip, 3.9kΩ 1/10W	
R620	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R621	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R651	YER122P8201D	Metal Film, 8.2kΩ 1/10W	
R652	YER122P6801D	Metal Film, 6.8kΩ 1/10W	
R653	YER122P1201D	Metal Film, 1.2kΩ 1/10W	
R655	YER122P7502D	Metal Film, 75kΩ 1/10W	
R661	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R663	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R664	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R665	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R666	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R667	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R668	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R711	ERJ8GEYJ103V	Chip, 10kΩ 1/8W	

DISPLAY BLOCK [E8566A]

Ref. No.	Part No.	Part Name & Description	Remarks
J901 - J904	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J906 - J919	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R901	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R902	ERJ8GEYJ151V	Chip, 150Ω 1/8W	
R903	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R904	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R905	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R906	ERJ8GEYJ220V	Chip, 22Ω 1/8W	
R907	ERJ8GEYJ220V	Chip, 22Ω 1/8W	
R908	ERJ8GEYJ220V	Chip, 22Ω 1/8W	
R909	ERJ8GEYJ220V	Chip, 22Ω 1/8W	
R910	ERJ8GEYJ220V	Chip, 22Ω 1/8W	
R911	ERJ8GEYJ220V	Chip, 22Ω 1/8W	
R912	ERJ8GEYJ390V	Chip, 39Ω 1/8W	
R913	ERJ8GEYJ390V	Chip, 39Ω 1/8W	

1.5. Connectors

MAIN BLOCK [E8565B]

Ref. No.	Part No.	Part Name & Description	Remarks
AE1	YEAES15B040A	Connector, 15P	
CP601	YEAE5227115	Connector, 15P	
CP602	YEAE0114MX	Connector, 14P	

DISPLAY BLOCK [E8566A]

Ref. No.	Part No.	Part Name & Description	Remarks
CN602	YEAE0114MPA	Connector, 14P	

1.6. Electric Parts

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW901	YEAS09280	Switch	
SW902	YEAS09280	Switch	
SW903	YEAS09280	Switch	
SW904	YEAS09280	Switch	
SW905	YEAS09280	Switch	
SW906	YEAS09280	Switch	
SW908	YEAS09280	Switch	

CRYSTAL

Ref. No.	Part No.	Part Name & Description	Remarks
XL600	YEXLSTCC629T	Crystal OSC	

1.7. Accessories

PRINTING

Ref. No.	Part No.	Part Name & Description	Remarks
[CX-CS0830F]			
	YEFM283315	Instruction Book	
[CX-CS0820F]			
	YEFM283308	Instruction Book	English
	YEFM283309	Instruction Book	Greek
	YEFM283310	Instruction Book	German
	YEFM283311	Instruction Book	Finnish
	YEFM283312	Instruction Book	French
	YEFM283313	Instruction Book	Swedish
	YEFM283314	Instruction Book	Spanish
	YEFM283326	Instruction Book	Dutch
	YEFM283327	Instruction Book	Danish
	YEFM283328	Instruction Book	Italian
	YEFM283329	Instruction Book	Portuguese
	YEFM283330	Instruction Book	Norwegian

INSTALLATION PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
	YEJV12103	Screws	

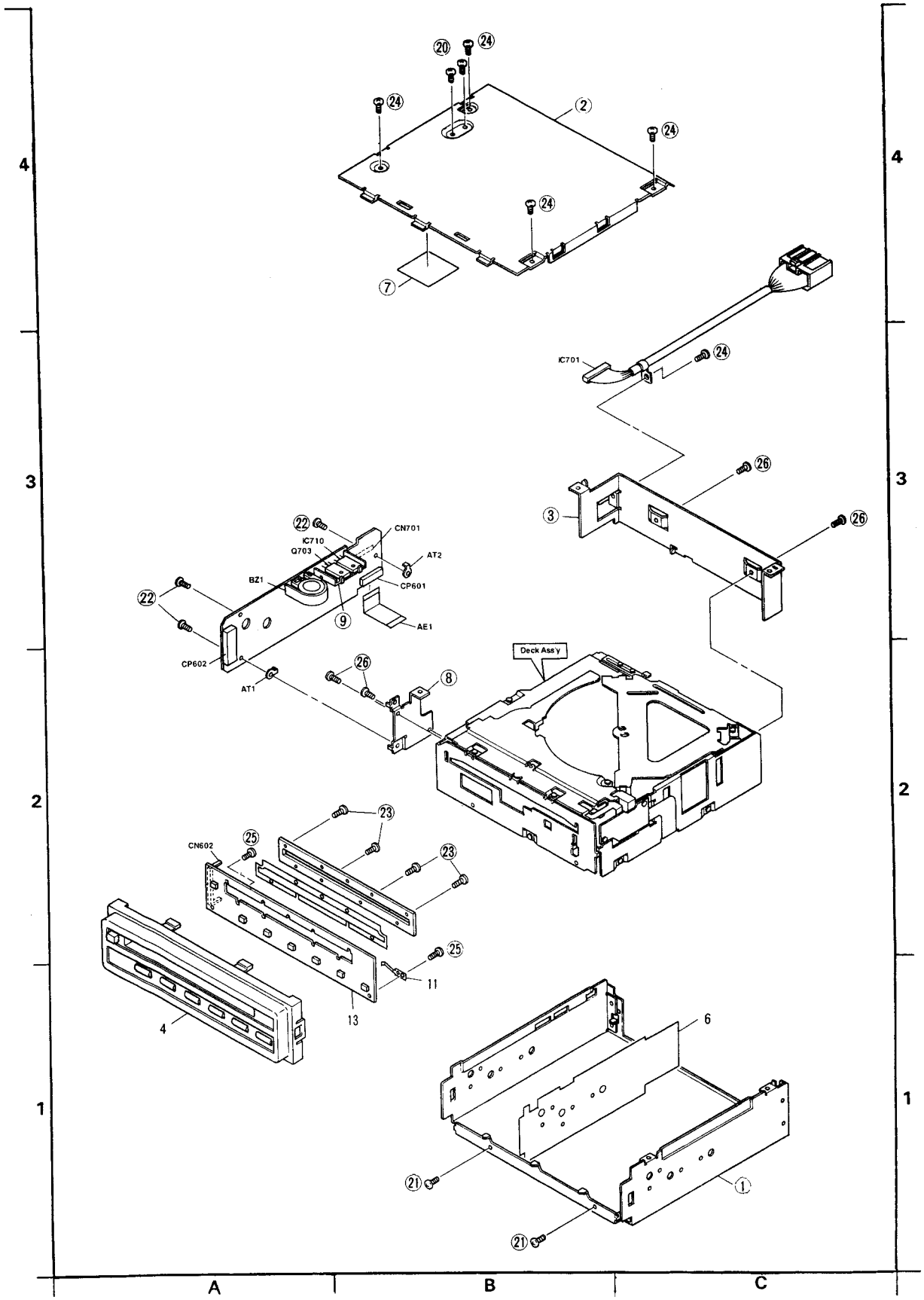
1.8. Mechanical Parts

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
AT1	YEAT03346A	Terminal	
AT2	YEAT03346A	Terminal	
BZ1	YEXBPKM22EPT	Buzzer	
CN701	YEAJ011575	Cord	
1	YEFA011755A	Chassis	(1-C)
2	YEFA031613	Upper Cover	(4-B)
3	YEFA08472	Rear Plate	(3-C)
4	YEFC025852	Escutcheon Ass'y	CX-CS0830F
4	YEFC026357	Escutcheon Ass'y	CX-CS0820F
5	YEFS02332	Felt	(2-B)
6	YEFV011886	Insulator	(1-C)
7	YEFV011909	Insulator	(4-B)
8	YEFX0214539B	Bracket,PCB	(2-B)
9	YEFX0214540	Bracket,IC710	(3-B)
10	YEFX9991938A	Guide	(2-B)
11	YEFX9991346	Spring,GND	(1-B)
12	YEP0PT8565A0	PCB w/Component	RTL
13	YEP0PT8566A0	PCB w/Component	RTL
20	YEJS06093	Screw, 3mm * 6mm	
21	YEJS06219	Screw,	
22	YEJT03142	Tapping Screw,	
23	XTB2+8GFX	Tapping Screw, 2mm * 8mm	
24	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
25	XTB2+6GFX	Tapping Screw, 2mm * 6mm	
26	XTB3+5FFX	Tapping Screw, 3mm * 5mm	

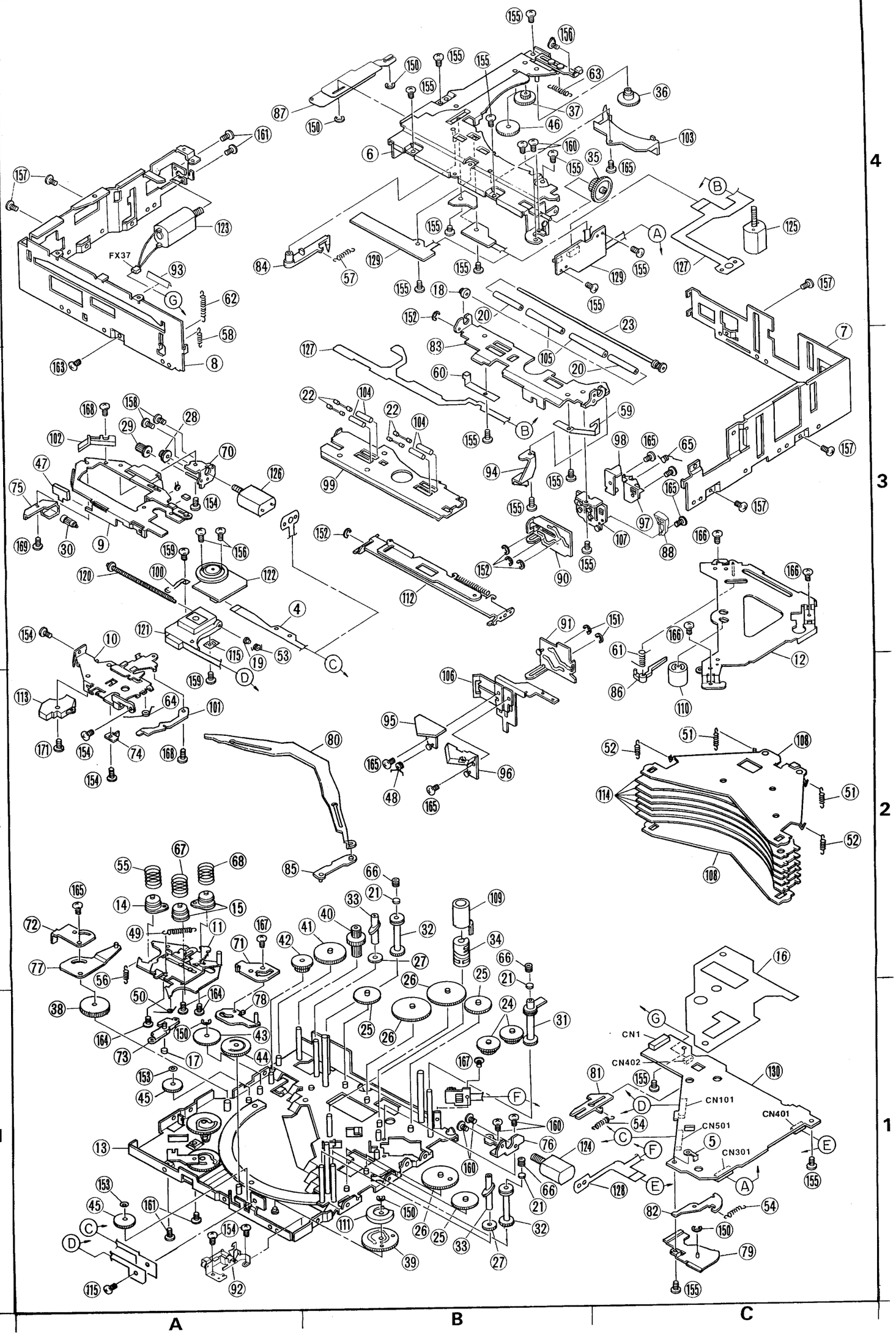
EXPLODED VIEW (Unit)

■ Numbers in ◯ are indicated REF.NO. in the REPLACEMENT PARTS LIST



EXPLODED VIEW (CD Deck)

■ Numbers in ◌ are indicated REF.NO. in the REPLACEMENT PARTS LIST



CX-CS0830F/CS0820F

2 CD Changer Parts List

2.1. IC's and Transistors

SERVO BLOCK [E8586A]

Ref. No.	Part No.	Part Name & Description	Remarks
IC101	YEAMBA6354BF	IC	
IC201	MN662783RPW	IC	
IC202	MNR7405CT6	IC	
IC301	MN1873260AB	IC	
IC401	YEAMBA6792FY	IC	
IC501	YEAMPC358G2T	IC	
IC601	YEAMBA5971FP	IC	
IC602	YEAMTC4S66FR	IC	
IC603	YEAMT4W53FUL	IC	
Q101	2SB766ATX	Transistor	

[E2685]

Ref. No.	Part No.	Part Name & Description	Remarks
Q1	PN147	Transistor	
Q2	PN147	Transistor	
Q3	PN147	Transistor	

2.2. Diodes

SERVO BLOCK [E8586A]

Ref. No.	Part No.	Part Name & Description	Remarks
D301	MA151WKTX	Diode	

[E2682]

Ref. No.	Part No.	Part Name & Description	Remarks
D1	0N1004	Diode	

[E2684]

Ref. No.	Part No.	Part Name & Description	Remarks
D1	LN01201C	LED	
D2	LN01201C	LED	
D3	LN01201C	LED	

[E2685]

Ref. No.	Part No.	Part Name & Description	Remarks
D1	0N1004	Diode	

2.3. Capacitors

SERVO BLOCK [E8586A]

Ref. No.	Part No.	Part Name & Description	Remarks
C100	ECEV1CA470SP	Electrolytic, 47µF 16WV	
C101	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C102	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C103	YECSW0J226MS	Tantalum, 22µF 6.3WV	
C104	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C105	YECUS1A105KX	Ceramic, 1µF 10WV	
C106	YECUS1E273KX	Ceramic, 0.027µF 25WV	
C107	YECUS1H152KX	Ceramic, 0.0015µF 50WV	
C108	YECUS1H472KX	Ceramic, 0.0047µF 50WV	
C109	YECUS1H102KX	Ceramic, 0.001µF 50WV	
C110	YECUS1H102KX	Ceramic, 0.001µF 50WV	
C111	YECSW1C106MS	Tantalum, 10µF 16WV	
C112	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C113	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C114	YECSW1C106MS	Tantalum, 10µF 16WV	
C115	YECUS1H102KX	Ceramic, 0.001µF 50WV	
C116	YECUS1H102KX	Ceramic, 0.001µF 50WV	
C118	YECUS1H391JM	Ceramic, 390PF 50WV	
C120	YECUS1H561JM	Ceramic, 560PF 50WV	
C122	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C202	YECUS1H123KX	Ceramic, 0.012µF 50WV	
C203	YECUS1C334KX	Ceramic, 0.33µF 16WV	
C204	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C205	YECSW1C106MS	Tantalum, 10µF 16WV	
C206	ECEV0JA470SR	Electrolytic, 47µF 6.3WV	
C207	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C208	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C209	YECSW1C106MS	Tantalum, 10µF 16WV	
C210	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C211	YECUS1A105KX	Ceramic, 1µF 10WV	
C301	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C302	YECSW1C106MS	Tantalum, 10µF 16WV	
C305	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C401	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C402	ECEV1CA470SP	Electrolytic, 47µF 16WV	
C403	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C501	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C503	YECUS1E273KX	Ceramic, 0.027µF 25WV	
C504	YECUS1E393KX	Ceramic, 0.039µF 25WV	
C601	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C602	ECEV1CA470SP	Electrolytic, 47µF 16WV	
C603	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C604	YECUS1C104KX	Ceramic, 0.1µF 16WV	

2.4. Resistors

SERVO BLOCK [E8586A]

Ref. No.	Part No.	Part Name & Description	Remarks
R100	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R101	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R102	ERJ12YJ330H	Chip, 33Ω 1/2W	
R103	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R104	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R105	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R106	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R107	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R108	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R109	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R110	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R111	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R112	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R113	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R201	ERJ6GEYJ124	Chip, 120kΩ 1/10W	
R202	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R203	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R204	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R205	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R206	ERJ6GEYJ470	Chip, 47Ω 1/10W	
R207	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R208	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R209	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R210	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R211	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R212	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R213	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R214	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R301	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R302	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R303	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R304	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R305	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R306	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R307	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R308	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R309	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R310	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R311	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R312	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R313	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R314	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R315	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R316	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R317	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R318	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R319	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R320	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R321	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R322	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R324	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R325	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R326	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R327	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R328	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R401	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R402	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R501	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R502	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R503	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R504	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R505	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R601	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R602	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R603	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R604	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R605	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R606	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R607	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R608	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R609	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	

2.5. Connectors

SERVO BLOCK [E8586A]

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	YEAE5220715	Connector, 15P	
CN101	YEAE5220715	Connector, 15P	
CN301	YEAE5227112	Connector, 12P	
CN401	YEAE5220706	Connector, 6P	
CN402	YEAE5326102	Connector, 2P	
CN501	YEAE5227110	Connector, 10P	
FX37	YEAE012348A	Connector, 2P	

[E2685]

Ref. No.	Part No.	Part Name & Description	Remarks
JD1	YEAE5227106	Connector, 6P	

2.6. Electric Parts

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW1	ESE102MH4	Switch	
SW1	ESE102MH4	Switch	
SW10	ESE102MH4	Switch	
SW11	ESE102MH4	Switch	
SW12	ESE102MH4	Switch	
SW13	ESE102MH4	Switch	

CRYSTAL

Ref. No.	Part No.	Part Name & Description	Remarks
XL301	YEXLSTCC737T	Crystal OSC	

CERAMIC FILTERS

Ref. No.	Part No.	Part Name & Description	Remarks
XL201	H2D169500001	Ceramic Filter	

COIL

Ref. No.	Part No.	Part Name & Description	Remarks
L101	YELTLM41P750	Coil	

2.7. Mechanical parts

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
4	YEAP2683	Suspension FPC	(3-A)
5	YEATSD00405	Terminal	(1-C)
6	YEFA011711D	Upper Chassis Ass'y	(4-B)
7	YEFA011713A	Side Chassis (R)	(3-C)
8	YEFA011714A	Side Chassis (L) Ass'y	(4-A)
9	YEFA011716	Suspension Chassis Ass'y	(3-A)
10	YEFA011718A	Suspension Chassis(Bottom) Ass'y	(2-A)
11	YEFA011720B	Swing Chassis Ass'y	(2-A)
12	YEFA011722A	Stocker Plate Ass'y	(3-C)
13	YEFA011724B	Main Chassis Ass'y	(1-A)
14	YEFS04688	Rubber Packing	(2-A)
15	YEFS04691	Damper	(2-A)
16	YEFV011897	Insulator	(1-C)
17	YEFW04158	Bearing	(1-A)
18	YEFW04159	Roller Shaft Holder(L)	(4-B)
19	YEFW04161A	Feed Screw Housing	(3-A)
20	YEFW04167	Disc Collar	(4-B,3-C)
21	YEFW05389	Stocker Cam Ring	(1-B,2-B)
22	YEFW062351	Disc Roller Shaft	(3-B)
23	YEFW062461	Roller Shaft Ass'y	(3-C)
24	YEFX003872	Elevator Gear(1)	(1-B)
25	YEFX003873	Elevator Gear(2)	(1-B)
26	YEFX003874	Elevator Gear(3)	(1-B)
27	YEFX003875	Elevator Gear(4)	(1-B,2-B)
28	YEFX003877	Traverse Gear(2)	(3-A)
29	YEFX003878A	Traverse Gear(3)	(3-A)
30	YEFX003879	Traverse Gear(4)	(3-A)
31	YEFX003882A	Stocker Cam Gear(1)	(1-B)
32	YEFX003883B	Stocker Cam Gear(2)	(1-B,2-B)
33	YEFX003884	Stocker Cam Gear(3)	(1-B,2-B)
34	YEFX003885	Disc Hold Gear	(2-B)
35	YEFX003887	Load Gear	(4-C)
36	YEFX003891	Push Gear(1)	(4-C)
37	YEFX003892	Push Gear(2)	(4-B)
38	YEFX003894	Horizontal Cam Gear(1)	(1-A)
39	YEFX003895A	Horizontal Cam Gear(2)	(1-B)
40	YEFX003896	Horizontal Gear(1)	(2-B)
41	YEFX003897A	Horizontal Gear(2)	(2-B)
42	YEFX003898	Horizontal Gear(3)	(2-B)
43	YEFX003899A	Horizontal Gear(4)	(1-A)
44	YEFX003929	Horizontal Cam Gear(3)	(1-A)
45	YEFX003931	Horizontal Gear(5)	(1-A)
46	YEFX003932	Push Cam Gear	(4-B)
47	YEFX0052269	FPC Hold Spring	(3-A)
48	YEFX0052272	Guide Spring(B)	(2-B)
49	YEFX0052274B	Suspension Lock Spring	(2-A)
50	YEFX0052275A	Swing Spring	(1-A)
51	YEFX0052276A	Stocker Spring(1)	(2-C)
52	YEFX0052277	Stocker Spring(2)	(2-C)
53	YEFX0052278	Thrust Spring	(3-A)
54	YEFX0052279	Sencer Lever Spring	(1-C)
55	YEFX0052280	Damper Spring	(2-A)
56	YEFX0052281A	Balance Spring(1)	(2-A)
57	YEFX0052284	Push Spring	(4-B)
58	YEFX0052285A	Spring	(4-A)
59	YEFX0052287A	Roller Hold Spring(L)	(3-C)
60	YEFX0052288A	Roller Hold Spring(R)	(3-B)
61	YEFX0052289A	Push Lever Spring	(3-C)
62	YEFX0052290A	Feeder Spring	(4-A)
63	YEFX0052291A	Push Plate Spring	(4-B)
64	YEFX0052292A	Change Spring	(2-A)
65	YEFX0052335	Guide Spring(F)	(3-C)
66	YEFX0052366	Stocker Thrust Spring	(1-B,2-B)
67	YEFX0052368	Damper Spring(R)	(2-A)
68	YEFX0052369	Damper Spring(L)	(2-A)
70	YEFX018552	Travese Motor Bracket Ass'y	(3-A)
71	YEFX018553A	Guide(F) Bracket	(2-A)

Ref. No.	Part No.	Part Name & Description	Remarks
72	YEFX018595	Guide(B)	(2-A)
73	YEFX018556A	Bearing Bracket	(1-A)
74	YEFX018596	Stopper Plate	(2-A)
75	YEFX018598	Gear Bracket Ass'y	(3-A)
76	YEFX018600	Elevator Motor Bracket	(1-B)
77	YEFX0461903A	Guide Lever (B) Ass'y	(2-A)
78	YEFX0461905A	Guide Lever (F) Ass'y	(1-A)
79	YEFX0461914B	Senser Cover	(1-C)
80	YEFX0461917	Stocker Rack	(2-B)
81	YEFX0461918	Senser Lever(B)	(1-C)
82	YEFX0461919A	Sneser Lever(FA)	(1-C)
83	YEFX0461922A	Feeder Plate	(3-B)
84	YEFX0461924	Push Lever	(4-B)
85	YEFX0461926A	Rack Lever	(2-B)
86	YEFX0461931	Push Lever	(2-C)
87	YEFX0462062	Escape Lever(1)	(4-B)
88	YEFX219129	Guide(F)	(1-A)
90	YEFX0462002A	Guide Cam Plate(F)	(3-B)
91	YEFX0462003A	Guide Cam (B) Plate Ass'y	(3-B)
92	YEFX0462026	Lever Guide Plate Ass'y	(1-A)
93	YEFS02342	Felt	(4-A)
94	YEFX0462029	Feeder Guide Plate Ass'y	(3-B)
95	YEFX206135A	Guide(BL)	(2-B)
96	YEFX206136A	Guide(BU)	(2-B)
97	YEFX206137A	Guide(FL)	(3-C)
98	YEFX206138A	Guide(FU)	(3-C)
99	YEFX206139A	Disc Guide	(3-B)
100	YEFX206140	Traverse Guide	(3-A)
101	YEFX206141A	FPC Guide	(2-A)
102	YEFX206143	Disc Guide(S)	(3-A)
103	YEFX206144	Disc Guide(U)	(4-C)
104	YEFX218296	Disc Roller	(3-B)
105	YEFX218299	Disc Roller	(4-B,3-C)
106	YEFX219124	Guide (B) Base Ass'y	(2-B)
107	YEFX219126B	Guide Base (F) Ass'y	(3-C)
108	YEFX233504A	Stocker Tray Housing	(2-C)
109	YEFX233505A	Disc Holder(L)	(2-B)
110	YEFX233506	Disc Holder(U)	(2-C)
111	YEFX234192	Elevator Cam	(1-B)
112	YEFX249451A	Feeder Arm Ass'y	(3-B)
113	YEFX9991900A	Suspension Balancer	(2-A)
114	YEFX9991901	Stocker Tray	(2-C)
115	YEFX9991903	Feed Screw Guide	(3-A)
120	YEJT03220	Feed Screw Ass'y	(3-A)
121	YEP0FX3384	Optical Pick-up Ass'y	(3-A)
122	YEP0FX3633	Spindle Motor Ass'y	(3-A)
123	YEP0FX3661S	Horizontal Motor Ass'y	(4-A)
124	YEP0FX3660S	Vertical Motor Ass'y	(1-B)
125	YEP0FX3662S	Loading Motor Ass'y	(4-C)
126	YEP0FX3663S	Traverse Motor Ass'y	(3-A)
127	YEP0PT2684A0	PCB w/Component	RTL
128	YEP0PT2682A0	PCB w/Component	RTL
129	YEP0PT2685A0	PCB w/Component	RTL
130	YEP0PT8586A0	PCB w/Component	RTL

Ref. No.	Part No.	Part Name & Description	Remarks
150	XUC2V	Retaining Ring, 2mm	
151	YEJE01041	Retaining Ring	
152	XUC15V	Retaining Ring, 1.5mm	
153	YEFX014047	Retaining Ring	
154	YEJS06097A	Screw, 2mm * 2.5mm	
155	YEJS06173	Screw	
156	YEJS06220	Screw	
157	YEJT03216	Tapping Screw	
158	XQN14+C18FX	Screw	
159	XQN17+A2FX	Screw	
160	XQN2+A2FX	Screw	
161	XQN2+C25FX	Screw	
162	XSB2+3FX	Screw, 2mm * 3mm	
163	XSB26+3FX	Screw, 2.6mm * 3mm	
164	XYN2+C3FX	Screw, 2mm * 3mm	

Ref. No.	Part No.	Part Name & Description	Remarks
165	XYN2+C4FX	Screw, 2mm * 4mm	
166	XSB2+4FX	Screw, 2mm * 4mm	
167	XYN2+J5FX	Screw	
168	XYN2+C6FX	Screw, 2mm * 6mm	
169	XYN2+J8FX	Screw	
171	YEJT03129	Tapping Screw, 2mm * 4mm	
172	YEJT03173	Tapping Screw	

PARTS AVAILABILITY

HOW TO ORDER REPLACEMENT PARTS

Replacement parts can be ordered from either a Parts Depot or directly from Toyota Motor Corporation. When ordering, please refer to the Replacement Parts List in this service manual to insure that you receive the correct part.
Please enter not only part number(s) but also unit number of TOYOTA car radio/car stereo in a REMARKS column of the order sheet.

DISPONIBILIDAD DE PARTES DE REPUESTO

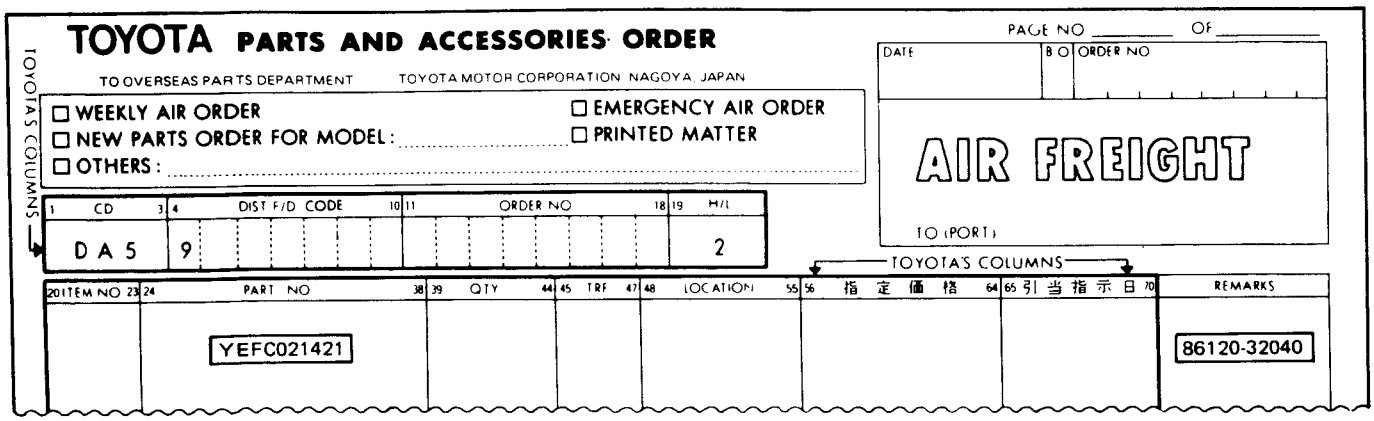
METODO DE HACER PEDIDOS DE PARTES DE REPUESTO

Partes de repuesto pueden pedirse tanto a un Depósito de Partes de Repuesto (Parts Depot) como directamente a la Toyota Motor Corporation. En hacer los pedidos, refiérase a la Lista de Partes de Repuesto que se encuentra en este manual de servicio a fin de asegurarse de su recibo de las partes correctas.
Favor llenar la columna OBSERVACIONES de la hoja de pedido no solamente con el (los) número(s) de part(s) sino también con el número de la unidad de radio/estéreo de carro, TOYOTA.

DISPONIBILITE DE PIECES

MOYEN DE COMMANDER DES PIECES DE RECHANGE.

Les pièces de rechange seront commandées au Depôt de Pièces (Parts Depot) ou directement à Toyota Motor Corporation. Lors d'une commande, veuillez consulter le Liste de pièces de rechange dans ce manuel d'atelier pour être sûr que vous recevez la pièce exacte. Veuillez écrire non seulement le(s) numéro(s) de pièce mais aussi le numéro d'unité de TOYOTA auto-radio/auto-stéréo dans la colonne REMARQUES du bulletin de commande.



U.S.A. — **PANASONIC PARTS DEPOT**

EASTERN REGIONAL PARTS DEPOT
1225 NORTHBROOK PARKWAY SUITE 2-400
SUWANEE, GA 30174
PHONE : (404) 388-6800

WESTERN REGIONAL PARTS DEPOT
20421 84TH AVE. SOUTH
KENT, WA 98032
PHONE : (206)-395-7343

CANADA — **PANASONIC PARTS DEPOT**

TRONTO
PANASONIC CANADA INC.
5770 AMBLER DRIVE, MISSISSAUGA, ONTARIO L4W 2T3
PHONE : (905)-624-5010

EUROPE — **PANASONIC PARTS DEPOT**

HAMBURG
PANASONIC SERVICE DEUTSCHLAND G.M.B.H.
2000 HAMBURG 28 AUSSCHLAGER BILLDEICH 32 F.R. GERMANY
PHONE : (040)-789511

SCANDINAVIA — **PANASONIC PARTS DEPOT**

STOCKHOLM
PANASONIC SERVICE SCANDINAVIAN A.B.
INSTRUMENTVAGEN 29-31, BOX 43047,
100 72 STOCKHOLM, SWEDEN
PHONE : 08-190180

AUSTRALIA — **PANASONIC PARTS DEPOT**

SYDNEY
PANASONIC AUSTRALIA PTY. LTD
1 GARIGAL ROAD, BELROSE, N.S.W. 2085
PHONE : (02)-986-7640

MELBOURNE
PANASONIC AUSTRALIA PTY. LTD
1 CARIBBEAN DRIVE, SCORESBY VIC. 3179
PHONE : (03)-213-8888

ADELAIDE
PANASONIC AUSTRALIA PTY. LTD
125 PORT ROAD, HINDMARSH S.A. 5007
PHONE : (08)-346-3999

BRISBANE
PANASONIC AUSTRALIA PTY. LTD
494 NUDGEE ROAD, HENDRA QUEENSLAND. 4012
PHONE : (07)-268-6455

PERTH
PANASONIC AUSTRALIA PTY. LTD
37 KEWDALE ROAD, WELSHPOOL, W.A. 6106
PHONE : (09)-451-7211

OTHER COUNTRIES

Please order from the Overseas Parts Department, Toyota Motor Corporation, using the normal Parts & Accessories Order From for ordering Automobile parts.

OTHER PAISES

Favor hacer pedidos al Departamento de Partes al Ultramar (Overseas Parts Department), Toyota Motor Corporation utilizando el formulario normal de pedido de partes y accesorios que se usa para pedir las partes de repuestos de automóviles.

AUTRES PAYS

Veuillez commandes au départment de pièces d'outre-mer (Overseas Parts Department), Toyota Motor Corporation, en vous servant du Bulletin de Commande Pièces & Accessoires pour des commandes de pièces d'automobile.

TOYOTA MOTOR CORPORATION

OVERSEAS SERVICE DIVISION

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